
Public Notice

Applicant:
City of Ithaca

Date:
Published: October 17, 2002
Expires: ~~October 31, 2002~~

**U.S. Army Corps
of Engineers**

In Reply Refer To:

Buffalo District CELRB-TD-R RE: 2002-02666(0) Section: NY 10 and 404

**Application for Permit under Authority of
Section 10 of the Rivers and Harbors Act of 1899 and
Section 404 of the Clean Water Act (33 U.S.C. 1344).**

The City of Ithaca, City Hall, 108 Green Street, Ithaca, New York, proposes to construct an approximately 600 lineal foot precast concrete retaining wall and promenade along the Cayuga Flood Control Channel, in the City of Ithaca, Tompkins County, New York.

The project consists of the following:

- a. Approximately 600 lineal feet of precast concrete bulkhead will be installed along the shoreline of the Cayuga Inlet Flood Control Channel beginning near the New York State Route 89 Bridge and running northward. The bulkhead will extend approximately 15 feet waterward of the existing top of bank and approximately 10 feet waterward of the Ordinary High Water (OHW) level of 583.5 NGVD (National Geodetic Vertical Datum 1929). The area behind the bulkhead will be backfilled and capped with concrete in order to create a pedestrian promenade overlooking the channel. The bulkhead is required to be placed waterward of OHW as the City eventually plans to pursue use of the bulkhead as a docking area for transient boat traffic.
- b. Approximately 275 cubic yards of material will be dredged from the area immediately waterward of the proposed bulkhead. The dredging is required in order to maintain adequate flood capacity and necessary draft for future potential boat traffic. The dredged material will be placed upland or used as backfill behind the proposed bulkhead.

During construction, the applicant proposes to drive temporary sheetpiling along the project area in order to dewater the immediate work area and allow placement of the proposed permanent wall in dry conditions.

The waterway is an artificial bypass channel constructed as part of a Corps of Engineers flood control project. The proposed work has been reviewed by the Operations and Technical Support Branch of the U.S. Army Corps of Engineers, which determined that the proposed modifications will not adversely affect the Federal flood control project or interfere with access and maintenance requirements. The waterway bank is currently armored with stone.

The applicant's stated purpose is to provide the public with increased waterfront access and implement the City's Inlet Island Urban Design Plan. This project is the first phase of a larger project which would extend the bulkhead northward another 500 feet for a total length of approximately 1100 lineal feet. However, at this time, funding constraints only allow for the construction of the described 600 lineal foot portion of the project. The applicant has indicated that this phase is a stand alone project and does not depend on any future work. If an additional phase or phases of the project are proposed at a future date, a second public notice will be issued and additional comments will be requested.

Location and details of the above described work are shown on the attached maps and drawings.

Questions pertaining to the work described in this notice should be directed to Steven V. Metivier, who can be contacted by calling (716) 879-4314, or by e-mail at: steven.v.metivier@usace.army.mil

The following authorization(s) may be required for this project:

Water Quality Certification (or waiver thereof) from the New York State Department of Environmental Conservation.

There are no registered historic properties or properties listed as being eligible for inclusion in the National Register of Historic Places that will be affected by this project.

In addition, available evidence indicates that the proposed work will not affect a species proposed or designated by the U.S. Department of the Interior as threatened or endangered, nor will it affect the critical habitat of any such species.

This notice is promulgated in accordance with Title 33, Code of Federal Regulations, parts 320-330. Any interested party desiring to comment on the work described herein may do so by submitting their comments, in writing, so that they are received no later than 4:30 pm on the expiration date of this notice.

Comments should be sent to the U. S. Army Corps of Engineers, 1776 Niagara Street, Buffalo, New York 14207-3199, and should be marked to the attention of Steven V. Metivier, or by e-mail at: steven.v.metivier@usace.army.mil. A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record which is available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

The decision to approve or deny this permit request will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both

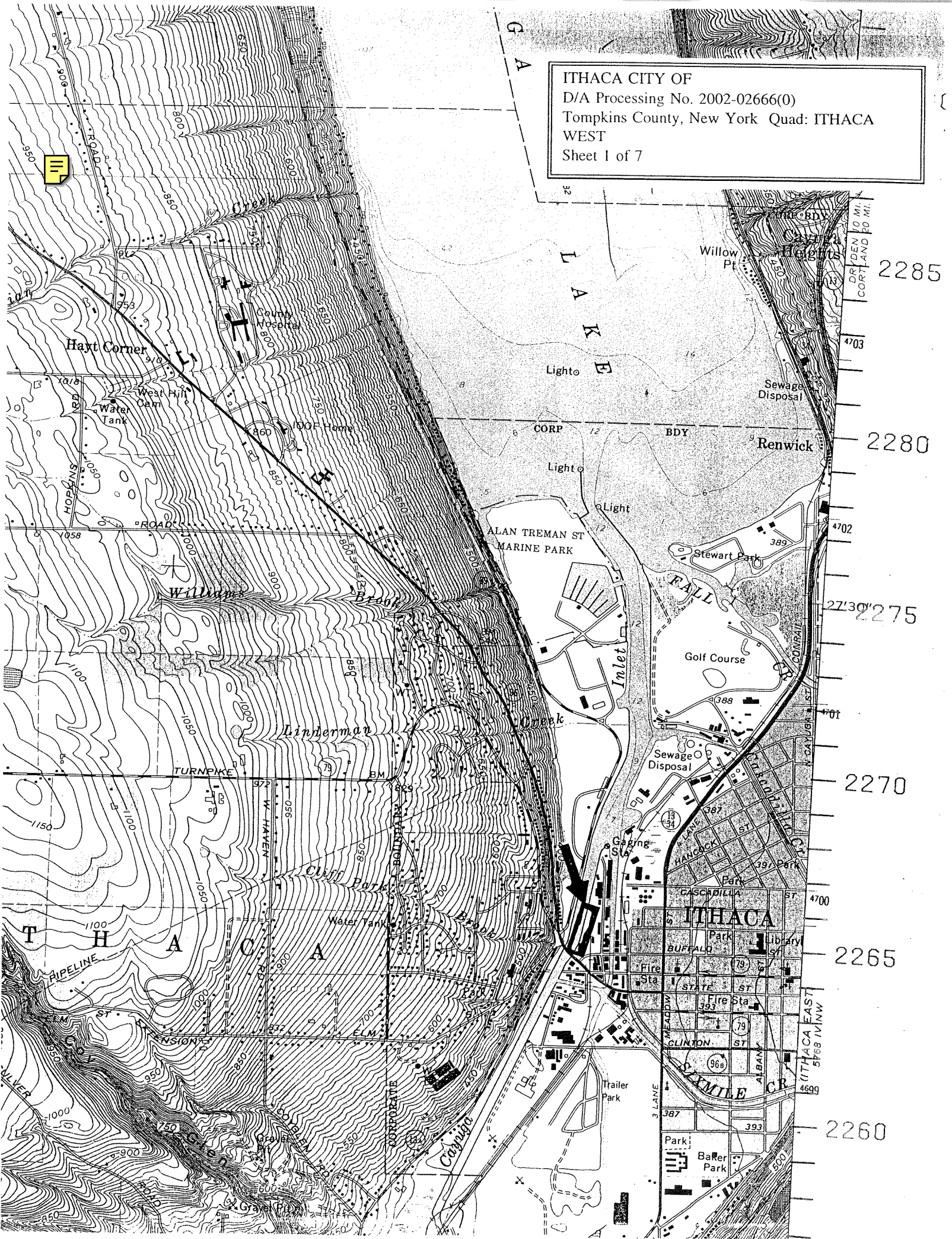
protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

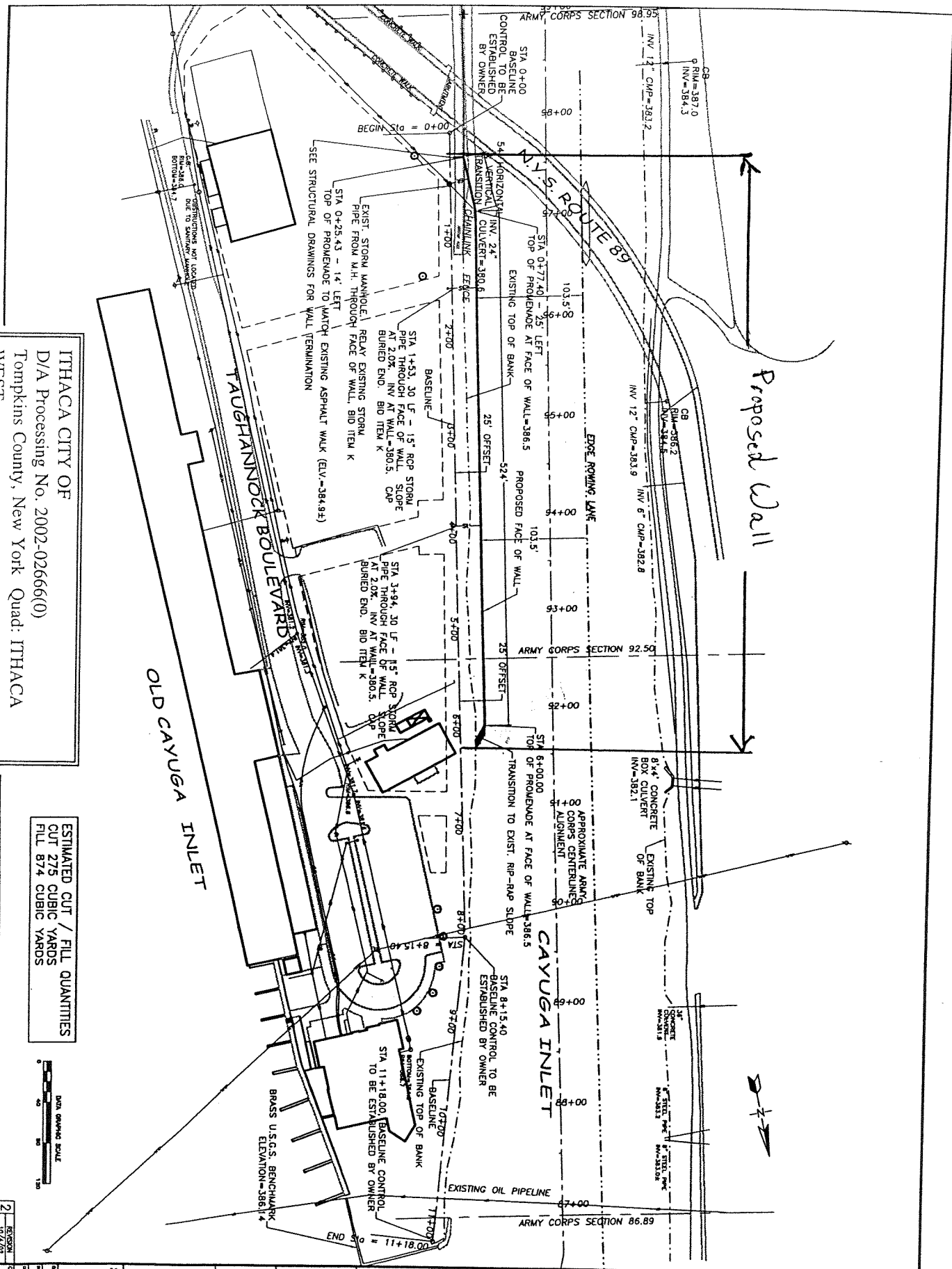
The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Paul G. Leuchner
Chief, Regulatory Branch

NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 15 days from the date of issuance.

ITHACA CITY OF
D/A Processing No. 2002-02666(0)
Tompkins County, New York Quad: ITHACA
WEST
Sheet 1 of 7





ITHACA CITY OF
D/A Processing No. 2002-02666(0)
Tompkins County, New York Quad: ITHACA
WEST
Sheet 2 of 7

ESTIMATED CUT / FILL QUANTITIES
CUT 275 CUBIC YARDS
FILL 874 CUBIC YARDS

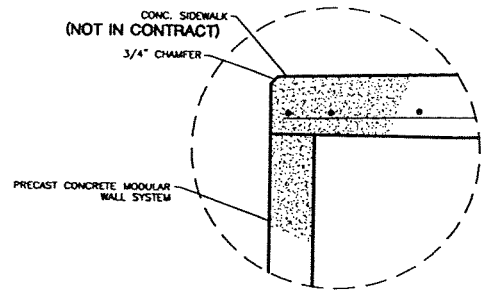


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10/1/02

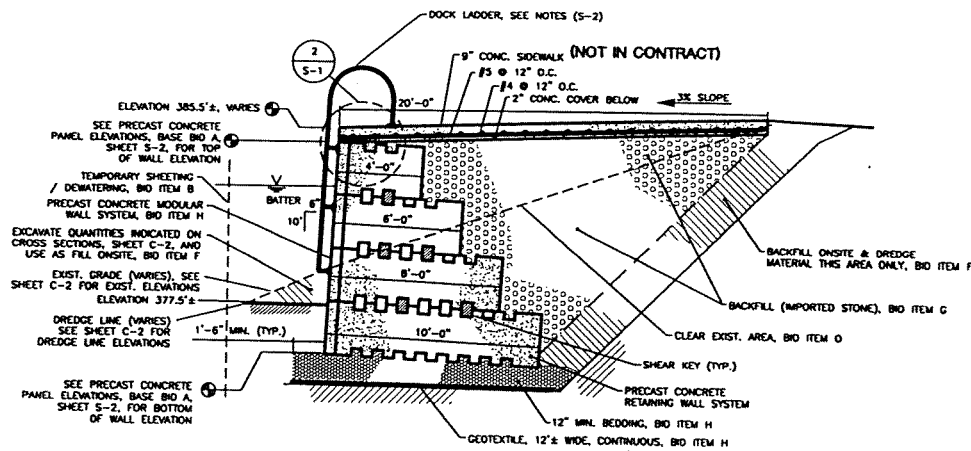
Warning ADVISORY: The user of this drawing is advised that this drawing is for informational purposes only and does not constitute a contract. The user is responsible for verifying the accuracy of the information and for obtaining all necessary permits and approvals.		DRAWN BY: J. HERRICK, P.E. N.Y.S. LICENSE NO. 044414	PROFESSIONAL ENGINEER	CITY OF ITHACA ITHACA INLET ISLAND PROMENADE WALL CONSTRUCTION TOMPKINS COUNTY, NEW YORK	TOWN OF ITHACA TOWN ENGINEER TOWN OF ITHACA TOWN ENGINEER	TOWN OF ITHACA TOWN ENGINEER TOWN OF ITHACA TOWN ENGINEER	TOWN OF ITHACA TOWN ENGINEER TOWN OF ITHACA TOWN ENGINEER	TOWN OF ITHACA TOWN ENGINEER TOWN OF ITHACA TOWN ENGINEER
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ITHACA CITY OF
D/A Processing No. 2002-02666(0)
Tompkins County, New York Quad: ITHACA
WEST
Sheet 3 of 7

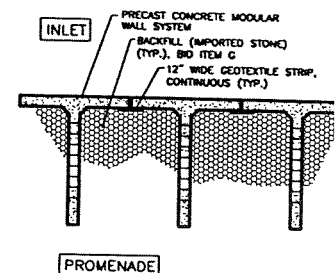




**BASE BID A
RETAINING WALL / SIDEWALK DETAIL**
2
S-1 SCALE: 1"=1'-0"



SECTION

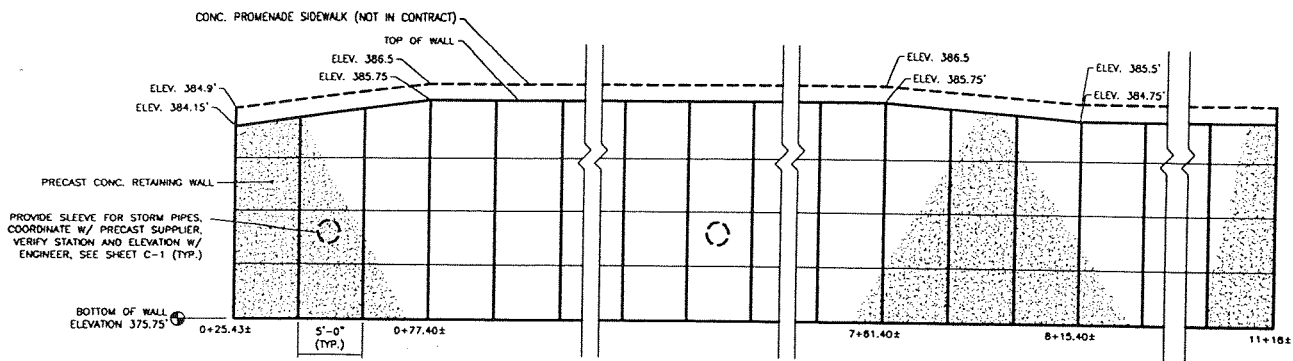


PLAN

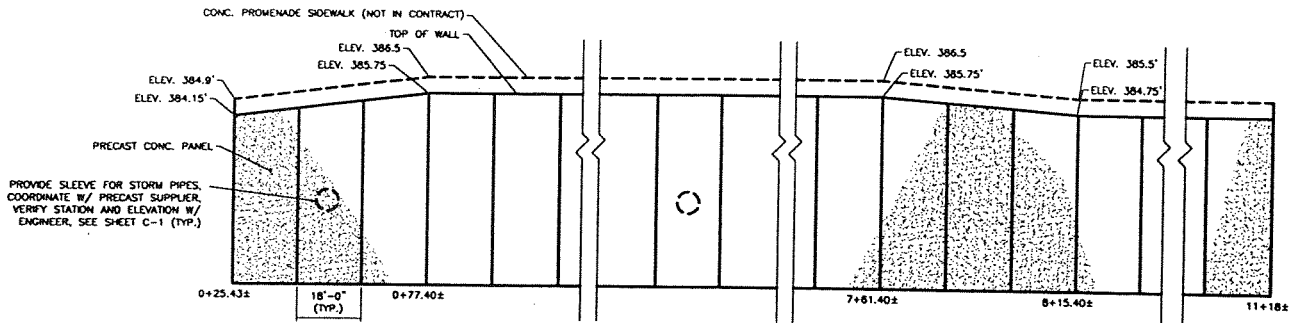
BASE BID A - PRECAST CONCRETE MODULAR WALL SYSTEM
SCALE: 1/4"=1'-0"

ITHACA CITY OF
D/A Processing No. 2002-02666(0)
Tompkins County, New York Quad: ITHACA
WEST
Sheet 4 of 7

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BASE BID A -- PRECAST CONCRETE MODULAR WALL SYSTEM



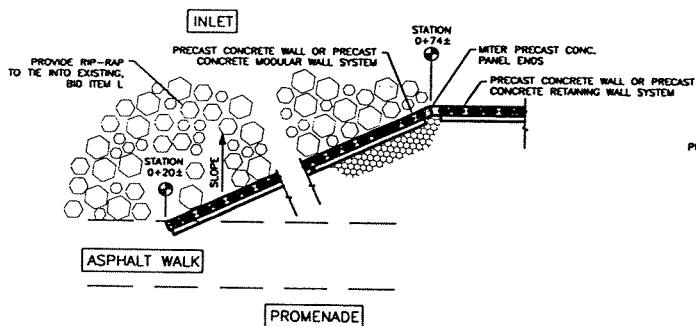
BASE BID B -- H FILE W/ 11' PRECAST CONCRETE WALL

NOTES:

1. FABRICATOR SHALL PREPARE DETAILED SHOP DRAWINGS SHOWING DIMENSIONS OF CUSTOM UNITS.
2. ADJUST STATIONING FOR MODULE DIMENSIONS.

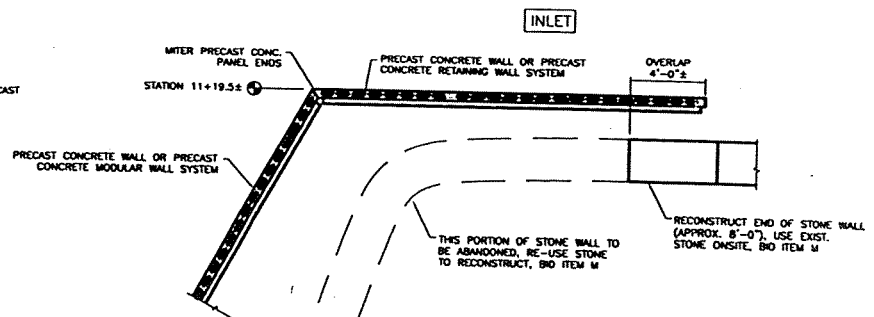
PRECAST CONCRETE PANEL ELEVATIONS

N.T.S.



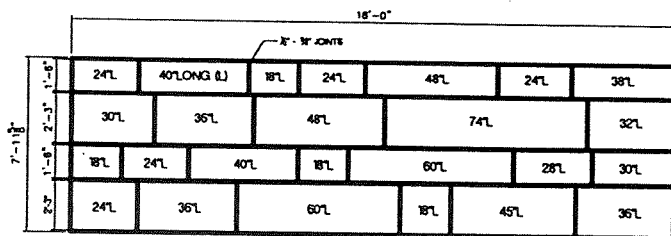
WALL / BANK TRANSITION DETAIL -- PLAN
STATION 0+10±

SCALE: 1/4"=1'-0"



TRANSITION DETAIL -- PLAN
STATION 11+19.5±

N.T.S.



FORMLINER NOTES:

1. DIMENSIONS SHOWN ARE APPROXIMATE.
2. IMMEDIATELY AFTER THE FORMWORK IS REMOVED, THE CONTRACTOR SHALL REMOVE SURFACE PROJECTIONS AT SURFACES EXPOSED TO VIEW AND A.O.B.E. CAVITIES SHALL BE FILLED IN WITH MORTAR.
3. CONTRACTOR SHALL PROVIDE MATERIAL LIST AND PROPOSED FORMWORK PLAN TO ENGINEER FOR APPROVAL.
4. ALL FORMWORK SHALL BE INSPECTED BY THE ENGINEER PRIOR TO PLACING CONCRETE.
5. CONTRACTOR SHALL USE A NON-TOXIC FORM RELEASE AGENT TO BE REVIEWED BY THE ENGINEER PRIOR TO USE.
6. FORMLINER NOT REQUIRED FOR WALLS BELOW DREDGE LINE.

1 PRECAST CONCRETE WALL FORMLINER DETAIL
5-2 N.T.S.

ITHACA CITY OF
D/A Processing No. 2002-02666(0)
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WEST
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STRUCTURAL NOTES

STANDARDS AND CODES CITED SHALL BE MOST CURRENT EDITION.

PROVIDE ALL BRACING, SHORING, AND BRIDGING OF ALL STRUCTURAL ELEMENTS AS REQUIRED.

EXCAVATION AND BACKFILL

1. ALL FOUNDATIONS SHALL BE PLACED ON FIRM, UNDISTURBED SOIL. NOTIFY ENGINEER OF SOFT OR UNSTABLE AREAS.
2. BASE BID B BACKFILL SHALL BE GRADED GRANULAR MATERIAL (GRADATION 5 TO 12% NO. 200, 4" MAX. SIZE) COMPACTED TO 90% MODIFIED PROCTOR DENSITY, UNLESS OTHERWISE NOTED. ALTERNATELY, CONTRACTOR MAY USE NO. 2 STONE W/ COMPACTION.
3. ONSITE EXCAVATED SOIL SHALL BE BACKFILLED AS NOTED ON DRAWINGS.

PRECAST CONCRETE

1. PROVIDE REBAR SHOP DRAWING TO ENGINEER FOR REVIEW.
4. DESIGN STRENGTH: 5,000 PSI AT 28 DAYS.
HIGH EARLY STRENGTH
USE CLASS F FLYASH
SI CONCRETE SYSTEMS (423-892-7243) NOVOMESH HPP (BASE BID B ONLY)
USE NOVOMESH HPP PER MANUFACTURER'S INSTRUCTIONS
SUBMIT MIX DESIGN FOR REVIEW BY ENGINEER.
5. ENTRAINED AIR: 5% +/- 1%
6. WATER/CEMENT RATIO PER ACI 318: MAX. 0.38
7. AGGREGATE: 1" COARSE AGGREGATE SIZE
8. CURING: MOIST CURE CONCRETE FOR 7 DAYS MINIMUM.
9. FORMLINER: USE CUSTOM FORMLINER. SEE DETAIL 1/S-2.
10. REINFORCING: REBARS - ASTM A615 GRADE 60, SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW
11. CONCRETE COVER OVER BARS: PROVIDE 2" CONCRETE COVER OVER ALL BARS AND AT ENDS OF ALL BARS UNLESS OTHERWISE NOTED.
PROVIDE CORROSION-RESISTANT CHAIRS FOR ALL BARS
12. SPLICES: UNLESS OTHERWISE INDICATED, ALL SPLICES MINIMUM 40 REBAR DIAMETERS, BUT NOT LESS THAN 18".
13. STANDARDS: DESIGN: ACI 318
DETAILING: ACI 315

GRADE BEAM CONCRETE, BASE BID B

1. PROVIDE DESIGN ENGINEER WITH CONCRETE BATCH TICKET AND TEST DATA DAILY.
2. PROVIDE REBAR SHOP DRAWING TO ENGINEER FOR REVIEW.
4. DESIGN STRENGTH: STANDARD 4,000 PSI AT 28 DAYS.
SUBMIT MIX DESIGN FOR REVIEW BY ENGINEER.
5. ENTRAINED AIR: 5% +/- 1%
6. WATER/CEMENT RATIO PER ACI 318: MAX. 0.46
7. AGGREGATE: 1" COARSE AGGREGATE SIZE
8. CURING: MOIST CURE CONCRETE FOR 7 DAYS MINIMUM.
9. REINFORCING: REBARS - ASTM A615 GRADE 60, SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW
10. CONCRETE COVER OVER BARS: PROVIDE 2" CONCRETE COVER OVER ALL BARS AND AT ENDS OF ALL BARS UNLESS OTHERWISE NOTED.
PROVIDE CORROSION-RESISTANT CHAIRS FOR ALL BARS AS REQ'D.
11. SPLICES: UNLESS OTHERWISE INDICATED, ALL SPLICES MINIMUM 40 REBAR DIAMETERS, BUT NOT LESS THAN 18".
12. STANDARDS: DESIGN: ACI 318
DETAILING: ACI 315

PRECAST CONCRETE MODULAR WALL SYSTEM, BASE BID A, BID ITEM H

1. SHALL BE T-WALL BY THE FORT MILLER CO., INC. (TEL. 518-895-5000) OR APP'D EQUIV. INSTALL AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. FOUNDATION: - GEOTEXTILE (NON-WOVEN) CARTRIDGE MILLS FX-BOHS OR EQUIV.
- BEDDING: SELECT GRANULAR FILL, WELL GRADED, 5-10% #200, UP TO 3", COMPACTED TO 90% STANDARD PROCTOR DENSITY.
- BACKFILL: GRADED GRANULAR MATERIAL (GRADATION 5 TO 12% NO. 200, 4" MAX. SIZE), COMPACTED TO 90% MODIFIED PROCTOR DENSITY OR CLEAN #2 STONE, COMPACTED.
3. FORMLINER: USE CUSTOM FORMLINER. SEE DETAIL 1/S-2. NO FORMLINER REQUIRED FOR BOTTOM 2-1/2' SECTION.

SIDWALK CONCRETE (NOT IN CONTRACT)

1. SUPPLY DESIGN ENGINEER WITH CONCRETE BATCH TICKET AND TEST DATA DAILY.
2. PROVIDE REBAR SHOP DRAWING TO ENGINEER FOR REVIEW.
4. DESIGN STRENGTH: STANDARD 4,000 PSI AT 28 DAYS.
USE CLASS F FLYASH
SUBMIT MIX DESIGN FOR REVIEW BY ENGINEER.
5. ENTRAINED AIR: 5% +/- 1%
6. WATER/CEMENT RATIO PER ACI 318: MAX. 0.42
7. AGGREGATE: 1" COARSE AGGREGATE SIZE
8. CURING: MOIST CURE CONCRETE FOR 7 DAYS MINIMUM.
9. FINISH: HEAVY BROOM FINISH
10. REINFORCING: REBARS - ASTM A615 GRADE 60, SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW
11. CONCRETE COVER OVER BARS: PROVIDE 2" CONCRETE COVER OVER ALL BARS AND AT ENDS OF ALL BARS UNLESS OTHERWISE NOTED.
PROVIDE CORROSION-RESISTANT CHAIRS FOR ALL BARS
12. SPLICES: UNLESS OTHERWISE INDICATED, ALL SPLICES MINIMUM 40 REBAR DIAMETERS, BUT NOT LESS THAN 18".
13. STANDARDS: DESIGN: ACI 318
DETAILING: ACI 315

STEEL

1. STRUCTURAL STEEL: ASTM A36 UNLESS OTHERWISE INDICATED
2. BOLTS: ASTM A325 (HOT-DIPPED GALV.) UNLESS OTHERWISE INDICATED

MISCELLANEOUS

1. ANCHOR INSERT: SHALL BE CONNECTION SPECIALTIES, INC., MODEL NUMBER BMD350, OR APP'D EQUIV. INSTALL AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. COATINGS: COAT ALL EXPOSED STRUCTURAL STEEL, WELDS, AND FASTENERS WITH THENAC COAL-TAR EPOXY SERIES 46H-413. 1 COAT, 9.0 MILS TO 12.0 MILS DFT (DRY), OR APP'D EQUIV. PROVIDE SURFACE PREP. AND APPLY COATINGS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN REQUIREMENTS. (SAFETY LADDER DOES NOT APPLY).
3. SAFETY LADDER: DAWT MASTER RIGID ALUMINUM LADDER, 7'-0" LONG (1-800-878-5560), OR APP'D EQUIV.
4. SAFETY LADDER ANCHORS: (2) 5/8" STAINLESS STEEL EPOXY ANCHORS PER CONNECTION, MHT OR APP'D EQUIV.
5. RIP-RAP: STONE SHALL BE ONSITE MATERIAL, REUSED, OR EQUIVALENT. INSTALL ON GEOTEXTILE (NON-WOVEN) CARTRIDGE MILLS FX-40HS OR EQUIV.) W/ 6" GRAVEL BASE.

NOVELLI ENGINEERING 203 NORTH AURORA STREET ITHACA, NEW YORK 14850 (607) 276-9707 (607) 276-0964 (FAX) PD@NOVELLI-ENG.COM	FOR BIDS 18/1/02 PRELIMINARY 1 7/7/02	DES. DATE ISSUE APP'D DATE
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ITHACA CITY OF
D/A Processing No. 2002-02666(0)
Tompkins County, New York Quad: ITHACA
WEST
Sheet 7 of 7

ITHACA INLET ISLAND PROMENADE WALL CONSTRUCTION

CITY OF ITHACA

SECTION,
DETAILS,
NOTES

FILE NO.

101.H

SHEET NO.

S-2